

Erratum: ``The ROSAT All-Sky Survey: A Catalog of Clusters of Galaxies in a Region of 1 Steradian around the South Galactic Pole" (ApJS, 140, 239 [2002])

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ERRATUM: “THE *ROSAT* ALL-SKY SURVEY: A CATALOG OF CLUSTERS OF GALAXIES IN A
REGION OF 1 STERADIAN AROUND THE SOUTH GALACTIC POLE” (ApJS, 140, 239 [2002])

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There are errors in the count rates for 17 of the 186 clusters in the catalog (Table 3). The cause of the error, detected recently during comparison of the catalog with other data sources, was an infrequent software error not revealed during testing. We have reexamined all the data in Table 3 and verified that only the count rates of 17 clusters, and the derived values of temperature, energy flux, and luminosity, were affected. Further, we have recreated all the relevant figures and concluded that these errors had no significant effect on the findings and conclusions of the paper. The number of clusters in the complete sample with a flux limit of 3.0×10^{-12} ergs cm⁻² s⁻¹ in the 0.1–2.4 keV band is reduced from 112 to 110, of which 108 have redshifts.

The table presented below is an extract from the print version of the catalog table (Table 3), in which we have corrected the X-ray count rate (col. [4]), temperature (col. [8]), energy flux (col. [9]), and luminosity (col. [10]) for these 17 clusters.

On-line material: machine-readable table

TABLE 3
CATALOG OF CLUSTERS IN THE SGP: CORRECTIONS

Source (1)	R.A. (J2000) (2)	Decl. (J2000) (3)	Count Rate (4)	HR (5)	Time (6)	N_H (7)	T_X (8)	f_X (9)	L_X (10)	Identification (11)	Redshift (12)	Ref. (z) (13)	N_g (14)
RXC J2213.0–2753	22 13 05.0	–27 53 56	0.176 ± 0.034	0.14 ± 0.17	205	1.40	2.675^e	3.39	0.565		0.0620	1	2
RXC J2216.9–1725	22 16 56.4	–17 25 30	0.275 ± 0.034	0.35 ± 0.12	277	2.28	5.845^e	5.53	3.996		0.1301	1	2
RXC J2218.6–3853	22 18 40.3	–38 53 48	0.364 ± 0.034	0.27 ± 0.09	314	1.33	6.795^e	7.14	5.776	ESO 344–G 019	0.1379	28	?
RXC J2218.8–0258	22 18 49.0	–02 58 07	0.185 ± 0.034	0.90 ± 0.19	268	5.84	3.820^e	4.06	1.414		0.0899	2	7
RXC J2312.2–2129	23 12 16.3	–21 29 35	0.212 ± 0.051	0.63 ± 0.20	86	2.03	4.100	4.21	2.236	A2554	0.1111	3	28
RXC J2313.0–2138	23 13 02.2	–21 38 07	0.391 ± 0.070	0.41 ± 0.15	88	2.03	4.700	7.78	2.501	A2556	0.0865	3	2
RXC J2336.2–3135	23 36 14.9	–31 35 55	0.279 ± 0.057	0.16 ± 0.19	125	1.18	3.079^e	5.38	0.821	S1136	0.0594	26,27	2
RXC J2344.2–0422	23 44 16.2	–04 22 07	0.611 ± 0.034	0.69 ± 0.07	335	3.54	5.437^e	12.70	3.366		0.0786	1	2
RXC J0056.0–3732	00 56 01.0	–37 32 45	0.197 ± 0.034	0.55 ± 0.21	351	2.59	6.256^e	4.00	4.708		0.1663	2	11
RXC J0120.9–1351	01 20 57.9	–13 51 19	0.633 ± 0.034	0.30 ± 0.07	344	1.73	3.788^e	12.40	1.396	CID 10	0.0511	1	3
RXC J0125.4+0145	01 25 29.9	+01 45 46	0.329 ± 0.034	0.77 ± 0.15	413	3.08	1.278^e	5.76	0.077	NGC 533	0.0176	2	4
RXC J0152.9–1345	01 52 59.8	–13 45 07	0.168 ± 0.034	0.25 ± 0.13	462	1.69	1.000^e	2.49	0.004	NGC 720	0.0057	15	1
RXC J0220.9–3829	02 20 56.8	–38 29 02	0.171 ± 0.034	0.74 ± 0.17	558	1.85	7.589^e	3.41	7.517		0.2287	2	6
RXC J0225.1–2928	02 25 10.2	–29 28 23	0.247 ± 0.034	0.63 ± 0.15	445	1.70	3.006^e	4.83	0.770		0.0607	1	2
RXC J0231.9+0114	02 31 57.5	+01 14 38	0.184 ± 0.034	0.97 ± 0.26	227	2.56	1.201^e	3.09	0.065		0.0221	1	2
RXC J0232.2–4420	02 32 17.2	–44 20 43	0.200 ± 0.034	0.14 ± 0.09	369	2.61	9.694^e	4.07	13.610		0.2836	1	2
RXC J0252.8–0116	02 52 50.1	–01 16 28	0.366 ± 0.034	1.34 ± 0.23	135	5.25	1.730^e	7.54	0.175	NGC 1132	0.0232	10	1

NOTES.—Units of right ascension are hours, minutes, and seconds, and units of declination are degrees, arcminutes, and arcseconds. Table 3 is published in its entirety in the electronic edition of the *Astrophysical Journal Supplement*. A portion is shown here for guidance regarding its form and content; it summarizes all the corrections referred to in this erratum.

REFERENCES.—(1) Romer 1995; (2) H. Böhringer & L. Guzzo 1999, ESO Key Project, private communication; (3) Struble & Rood 1999; (4) Katgert et al. 1996; (5) Quintana & Ramirez 1995; (6) Fetisova et al. 1993; (7) Da Costa et al 1991; (8) H. Andernach 1989, private communication of redshifts in a heliocentric frame, values in the table are based on an upgrade of the compilation in Andernach & Tago 1998; (9) Crawford et al. 1995; (10) Huchra et al. 1999; (11) Shectman 1985; (12) Mazure et al. 1996; (13) Collins et al. 1995; (14) Dalton et al. 1997; (15) De Vaucouleurs et al. 1991; (16) Stocke et al. 1991; (17) Postman et al. 1992; (18) Abell et al. 1989; (19) Katgert et al. 1998; (20) Ebeling & Maddox 1995; (21) Muriel et al. 1995; (22) Shectman et al. 1996; (23) Lauberts & Valentijn 1989; (24) Da Costa et al. 1998; (25) Dalton et al. 1994; (26) Di Nella et al. 1996; (27) Ratcliffe et al. 1998; (28) given in NED, reference uncertain.